

Heat Treatment in Drawing of Titanium Wire, by
V. P. Severdenko, V. Z. Shilkin.

RUSSIAN, per, Metal i Term Obra Metallov, No 1
1959, pp 20-23.

HB 4982

Sci - Min/Met
Jun 61

156,812

A New Conifer Genus, ~~Yatsenkoxylon~~ ~~Yatsenkoxylon~~
~~Yatsenkoxylon~~ Sibiricum Gen. Et St. Nov.,
by I. A. Shilkina, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLVIII, No 1-6, Jan, Feb 1963.

Amer Geol Inst

Fossil Wood of Cupressinoxylon Cupressoides
Krausel in Deposits of the Suifun Series (South
Primor'e), by G. S. Ganeskin, I. A. Shilkina,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 1,
1959, pp 131-133.

AGI

Sci

Jun 61

152, 176

Effect of Phosphorus and Boron Upon the Reversible
[High-Temperature] Temper Brittleness of Low-Carbon
Nickel Steels, by L. S. Lyakhovich, T. S. Shilkova.

RUSSIAN, per, Iz Vysishkh Ucheb Zaved, Chern Metal,
No 9, 1960, pp 167, 168.

HB 5066

Sci - Chem

Apr 61

147,472

A problem of heat conduction for two media,
by D. Shil'krut, 11 pp.

RUSSIAN, per, Priklad Mat i Mekh, 20, no 2,
p 284-88, 1956.

SIA R-3623

Sci

Aug 59

94,427

Theory of the Development of Real Microcracks
in Solids during Deformation, by D. I. Shil'krut,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 1, 1958, pp 69-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 5

Sci - Phys
Jul 59

AEI T/1388
91,782

Velocity of Propagation of Elastic Waves in
Imperfectly Elastic Medium, by D. I. Shil'krut.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,
No 1, 1956, pp 58-60.

DSIR/28701/CT

Sci - Physics
Sep 57

52, 386

A MECHANICAL VIBRATOR WITH INDEPENDENT ADJUSTMENT
OF AMPLITUDE AND FREQUENCY, BY D. I. SHIL'KUT,
ET AL.

RUSSIAN, PER, VEST NASHIN, VOL XXXVIII, NO 6,
1958, PP 63, 64.

NLL M. 4985

SCI - ENGR

OCT 62

214,740

Vinylogs of Malonaldehyde, by I. L. Kurnyants, A. K. Shillegodskii, 11 pp.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XVIII, No 2, 1943, pp 184-189.

CIA/FDD/X-975

USSR

Scientific - Chemistry

CTS/DEX

3831

The Reaction of Certain Oxides and Carbides
With Refractory Metals at High Temperatures.
by G. V. Samsonov, G. A. Yablinskaya,
E. A. Shiller, 7 pp.

RUSSIAN, per, Ogneupory, No 7, 1961,
pp 335-338. 9671660

FID-TT-61-74

(FDD 23975)

Control Antagonisms of Microorganisms, by I. G. Shiller, 175 pp.

RUSSIAN, bk, Napravlennyyi Antagonizm Mikrobov, Kiev, 1952, pp 3-132.

CIA/FDD/U-7102

USSR

Sci - Medicine

CTS 69/Jun 55

26,119

Application of the Principle of Forced
Antagonism for the Preparation of Antibio-
tics, by I. G. Shiller.

RUSSIAN, per, Antibiotiki, Vol II, No 45,
1957, pp 28-30.

CSIRO

Sci - Biol
Apr 62

190,905

(SF-1879)

Latest Hygienic Data on the Application of Toxic
Chemicals for Combating Food-Crop Pests, Weeds, and
Animal Ectoparasites, by A. I. Shtenberg, M. G.
Shevchenko, Yu. I. Shiller, 8 pp.

RUSSIAN, per, Voprosy Pitaniya, No 4, 1961.

JPRS 11193

Sci . Med

176.419

Dec 61

Cytological investigation of punctates as a
method for the diagnosis of mammary tumours,
by N. N. Shiller-Volkova and K. A. Aganova,
129 9 pp.

RUSSIAN, per, Voprosy Onkologii, Vol VI, No 1,
1960, pp 54-59.

pp

Sci

Oct 60

130, 204

The Early Diagnosis of Lung Cancer by the Method of
Cytological Examination of the Sputum, by N. N.
Shiller-Volkova, 6 pp.

RUSSIAN, per, Voprosy Onkologii, Vol IV, No 4,
1958, pp 441-446.

Pergamon Press

Sci

Jan 60

105,807

Spectral Determination of Boron in Rocks, by M.L.
Shilling, E.A. Pometun, 3 pp.

RUSSIAN, per, Zavod Lab, Vol XXV, No 12, 1959,
pp 1471-1473.

Instruc Soc of Amer

135,401

Sci
Jan 61

Spectrographic Determination of ¹¹³Tin in Natural Minerals, by M. L. Shilling, 2 pp.

Full tr

RUSSIAN, bimo per, Iz Ak Nauk, Ser Fiz, Vol XIX, No 2, 1955, p 216. CIA C 42795

35,840 Columbia Tech Tr

Scientific - Physics, Min/Metals.
Jun 56 CTS/dex

Shilling, N. V.

BIOELECTRICAL ACTIVITY IN DIFFERENT PARTS
OF THE RABBIT'S NERVOUS SYSTEM IN RESPONSE
TO STIMULATION OF THE VISUAL ANALYSOR.
[1962] [14]p. 15 refs. FASEB manuscript no. S 359-2.
Order from OTS or SLA \$1.60 63-19019

Trans. of #Fiziologicheskii Zhurnal SSSR, 1962, v. 48,
no. 5, p. 587-592.

DESCRIPTORS: *Bioelectronics, *Nervous system,
Rabbits, Stimulation, Reaction (Psychology),
Brain, Visual perception, *Analyzers (Psychology),
*Vision, Autonomic nervous system

Recordings of the electric activity in the occipital cor-
tex, the hypothalamic region, the cerebellum and the
upper cervical sympathetic ganglion under the influence
of a flicker stimulus have shown that all the parts of
the nervous system are involved in the response reac-
(Biological Sciences--Physiology, TT, v. 9, no. 10)
(over)

63-19019

- I. Shilling, N. V.
- II. FASEB S-359-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

(NY-6939)

Food Products Exposed to Ionization
Radiation for Preservation and Problems
of Their Hygienic Evaluation, by Yu. I.
Shillinger, 11 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XXI,
No 1, 1962, pp 54-61.

JPRS 13127

Sci - Med
Apr 62

189,343

(DC-2800/19)

Non-T/O Gun Crews Conduct Firing, by L. Shillis, 2 pp.
RUSSIAN, np, Sovet Flot, No 88 (6109), 13 Apr 1960,
p 2.

JPRS 3576

USSR

M11

Aug 60

Determination of Optimal Characteristics of
Regulasy~~stems~~ms with Modulation, by S.V. Shil'man, 19
pp.

RUSSIAN, per, Iz Vysshikh Ucheb
AZaved, Radiofiz, Vol VI, No 6, 1963,

JPRS 24633

Sci

May 64

259,634

(NY-6448)

concerning an Investigation of the Stability
of Periodic Motions of Quasi-Linear Systems,
by Yu. I. Neymark, L. P. Shil's'nikov, 7 pp.

RUSSIAN, per, Iz VUZ, MVO, Radiofiz,
Vol IV, No 4, 1961.

JPRS 129890

Sci
Apr 62

189,694

On the Symmetrical Periodic Motions of Multistage
Relay Systems, by Yu. I. Neymark, L. P. Shilnikov,
8 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XX, No 11,
1959, pp 1459-1466.

Instr Soc of Amer

Sci - Eng
Jul 60

120,926

(NY-5230)

Investigation of Dynamic Systems Close to Piece-
wise-Linear, by Yu. I. Neymark, L. P. Shil'nikov,
34 pp.

^{per,}
RUSSIAN, / Iz Vysshikh Ucheb Zaved, MVO, Ser Radiofiz,
Vol. III, No 3, 1960.

JPRS 7375

147,731

Sci

Apr 61

Viability of the Foot-and-Mouth Disease Virus in
the Water, Soil and on the Plant Covering in the
Pre-tundra Zone (Marshy Plains) of the Komi ASSR,
by V. I. Shil'nikov.

RUSSIAN, per, Trudy Vsesoyuznyi Institut
Eksperimental'noi Veterinarii, Vol XXII, 1959,
pp 112-119. 9094854

USDA Tr-V-1728

Sci - Med

177, 213

Dec 61

The Effect of K_2O on the Physical Properties of
Slag, Ascertained by Calculating the Activation
Energy of Viscous Flow From Test Results, by
N. L. Shilo.

GERMAN, per, *Bergakademie*, Vol XI, Jan 1977,
pp 12-17.

Dept of Interior
The U.S. 1977

Vitreous Semiconductors, 9. Vittrification in
Complex Chalcogenides Based on Arsenic Sulfide
and Selenide, by N. A. Goryunova, B. T. Kolomiets,
V. P. Shilo, 4 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol II, No 2,
1960, pp 280-283.

AIP
Sov Phys-Solid State

Sci

Feb 61

138,528

How We Improve the Skill of the Trainees in Operating
Aviation Equipment, by V. I. Shilokhvost, 4 pp.

RUSSIAN, no per, Vest Voz Flot, No 1, 1957, pp 40-43.
CIA 602074. Encl to IR-1737-57, AFGIN-1A1.

ATIC

USSR

Mil - Training

Sep 57

51,983

AF 1134125

Shilov, A. E., Shilova, A. K., and Bobkov, B. N.
REACTIONS OF α -OLEFINS WITH SOLUBLE
COMPLEX CATALYSTS OF THE ZIEGLER TYPE
AND THE MECHANISM OF INITIATION OF THE
POLYMERIZATION OF ETHYLENE. Sep 63, 10p
9refs

Order from PP \$140.00/year in Polymer Science USSR,
v. 4, no. 3, p. 526-535

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1962, v. 4, no. 11, p. 1688-1695. (Abstract available)
Another trans. is available from ATS \$12.75 as
ATS-65Q67R [1963] 9p.

DESCRIPTORS: *Polyethylene plastics, *Ethylenes,
Polymerization, Metalorganic compounds, Catalysts,
*Ziegler catalysts, *Titanium compounds, Ethyl
radicals, Chlorides, *Aluminum compounds, Methyl
radicals, Heptenes, Reaction kinetics.
(Materials--Plastics, TT, v. 11, no. 1) (over)

TT-63-22211-3 (p. 526-535)

I. Shilov, A. E.
II. Shilova, A. K.
III. Bobkov, B. N.

1963

1965

Office of Technical Services

The Mechanism of the First Stage in the Thermal
Decomposition of Chloromethanes. II. The
Decomposition of Chloroform, by A. E. Shilov,
R. D. Sabirova, 2pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 4,
1960, pp 860-865.

Cleaver-Hume Press

Sol
Feb 61

140,670

Shilov, G. E. and Natanson, I. P.
~~HOW TO CONSTRUCT GRAPHS [AND] SIMPLEST~~
MAXIMA AND MINIMA PROBLEMS, 3D ED., tr. by
Jerome Kristian and others. 1963, 53p.
Order from Heath Publishing Co., 285 Columbus Ave.,
Boston, Mass. \$1.50

Trans. of monos. [Kak Stroit' Grafiki, Moscow] 1959
and [Prosteishie Zadachi na Maksimum i Minimum,
3d ed., Moscow] 1960.

DESCRIPTORS: *Graphic analysis, *Calculus,
Calculus of variations.

(Mathematics, TT, v. 9, no. 11)

63-17049

- I. Shilov, G. E.
- II. Natanson, I. P.
- III. Heath Publishing Co.,
Boston, Mass.
- IV. Title: Simplest ...
- V. Title: Prostetsible ...

Office of Technical Services

CHANGE IN THE MECHANICAL PROPERTIES OF ALUMINUM-
COPPER-MAGNESIUM ALLOYS UNDER THE INFLUENCE OF
DEFORMATION IN THE FRESHLY-HARDENED STATE AND OF
HEATING FOR $\times$ SHORT PERIODS AT $200^{\circ} \text{C} \pm$, BY
E. I. SHILOVA.

RUSSIAN, $\times$ BK, LEGKIE SPLAVY AK NAUK, INST MET IMENI
A. A. BAIKOVA VSESOUZ KONF MOSCOW, 1955,
PP 123-132.

$\times$ OT 7067
FULMER 176

SCI 7 MIN/MET
NOV 62

216,707

Vitreous Semiconductors. II. Glass Formation in Melts of Compounds of Elements of the Sulfur Group with Phosphorus, Arsenic, Antimony, Bismuth, and Tellurium, by N. A. GORODYSKYA, B. T. Kolomyets, and V. P. Shilo, 5 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 5, 1958, pp 961-965.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol III, No 5

Sci - Phys

80,370

Feb 59

Atomic ~~Shp~~ Ship, by Lakhanin, Shilov (Excerpts of)
UNCLASSIFIED

RUSSIAN, bk, publ by Morskoy Transport, Moscow,
1957.

Navy Tr 1613/ONI 91

58,595

USSR

Mil

Sci - Engr

Feb 58

Shilov, A. E., Shilova, A. K., and Bobkov, B. N.
REACTION OF α -OLEFINS WITH SOLUBLE
ZIEGLER-TYPE COMPLEX CATALYSTS AND
THE INITIATION MECHANISM OF ETHYLENE
POLYMERIZATION. [1963] 9p.
Order from ATS \$12.75 ATS-65Q67R

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1962, v. 4, no. 11, p. 1688-1695.

DESCRIPTORS: *Ethylenes, Polymerization,
*Catalysts, Solubility, Chemical reactions,
Ziegler catalysts.

(Chemistry--Organic, TT, v. 10, no. 6)

63-17468

- I. Shilov, A. E.
- II. Shilova, A. K.
- III. Bobkov, B. N.
- IV. ATS-65Q67R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

3244616

Office of Technical Services

Shilov, A. E., Shilova, A. K., and Bobkov, B. N.
REACTION OF α -OLEFINS WITH SOLUBLE COM-
PLEX CATALYSTS OF THE ZIEGLER TYPE AND
THE INITIATION MECHANISM OF ETHYLENE POLY-
MERIZATION. [1963] [19p] 11 refs
Order from OTS, SLA, or ETC \$1.60 TT-64-14361

Trans. of Vysokomol[ekulyarnye] Soed[ineniya] (USSR)
1962, v. 4 (no. 11) p. 1688-1695. (Abstract available)

Other translations are available from ATS \$12.75 as
ATS-65Q67R [1963] 9p and from PP \$140.00/year in
Polymer Science USSR, v. 4, no. 3, p. 526-535.

DESCRIPTORS: *Polyethylene plastics, Preparation,
Alkenes, *Ethylenes, Polymerization, *Metalorganic
compounds, *Ziegler catalysts, *Titanium compounds,
*Aluminum compounds, Chlorides.

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-14361

I. Shilov, A. E.
II. Shilova, A. K.
III. Bobkov, B. N.

04950

Office of Technical Services

The Problem of Carbonium Ion E Formation in Addition
Reactions of Olefins, by A. E. Shilov, R. D. Sabirova,
V. I. Gershkov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No ³ 2, 1958,
pp 533-.

Consultants Bureau

SLA-60-10910

Sci - Chem

May 59

87,048

Investigation of the Kinetics of Recombination
of Triphenylmethyl Radicals by the Electron
Paramagnetic Resonance Method, by F. S. D'yach-
kovskiy, N. N. Dubnov and A. E. Shilov, 4 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXXII, No 4,
1958, pp629-631.

Consultants Bureau

Sci

Dec 59

102,014

Kinetics and Mechanism of the Reaction of
Aluminium Alkyls With Titanium Halides, by A. F.
Zefirova, A. E. Shilov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVI, 1961,
pp 599-602.

NLL M. 3447

Sci - Chem

Apr 62

194,023

The Mechanism and Isotope Effect of the Primary Act
of Thermal Decomposition of Chloroform, by A. E.
Shilov, R. D. Sabirova, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 5,
1957, pp 1058-.

Consultants Bureau

Sci - Chemistry
Jul 58

67,646

Electron Paramagnetic Resonance in the $R_3Al-TiCl_4$
System, by A. E. Ahilov, N. N. Bubnov.

⁵
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3,
1958, pp 381.

ATS RJ-1727
ATS 42K24R

Sci - chem, Electron
Jul 59

90,461

Mechanism of the Rearrangement of Aromatic
Amino NH_2 and Hydroxysulphonic Acid Salts,
by E. A. Shilov, M. N. Bogdanov, A. B. Shilov,
5 pp,

No1
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII, No
1953, pp 93-96. *1*

23,524 Sci Mu Lib Tr No 55/0385

Scientific - Chemistry

May 55 CTS

Mechanism of the Reaction of Ethyllithium With Ethyl
Iodide, by F. S. D'yachkovskiy, A. R. Shilov, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXIII, No 2, 1963,
pp 406-410.

CB

Sci
Jan 64

246,945

Elimination of Scattered γ -Radiation Effects
in Standardizing Radiometers, by A. S. Shilov,
5 pp.

RUSSIAN, per, Atomnaya Energiya, Vol IV, No 1,
1958, pp 84-86.

Consultants Bureau

Sci - Nuclear Phys

Dec 58

77,595

61-13488

Shilov, A. Ye. and Sabirova, R. D.
MECHANISM OF THE PRIMARY ACT OF DECOM-
POSITION OF CHLORINE DERIVATIVES OF METH-
ANE. I. DECOMPOSITION OF CARBON TETRACHLO-
RIDE AND METHYL CHLORIDE (Mekhanizm Pervich-
nogo Akta Termicheskogo Raspada Khlorproizvodnykh
Metana). Nov 60 [17]p. 19 refs. RTS 1527.
Order from LC or SLA mi\$2.40, pb\$3.30 61-13488

Trans. of Zhurnal Fizicheskoy Khimii (USSR) 1959
[v. 33] no. 6, p. 1365-1373.

The kinetics of the thermal decomposition of carbon
tetrachloride and methyl chloride in jets was investi-
gated. The primary decomposition in both cases takes
place with the disruption of a chlorine atom. A mech-
anism for the secondary reaction is suggested, which
agrees with the products of reaction and the kinetic
data. (Author)

(Chemistry--Physical, TT, v. 5, no. 4)

- I. Chlorides--Decomposition
- I. Shilov, A. Ye.
- II. Sabirova, R. D.
- III. Title: Decomposition...
- IV. RTS-1527
- V. Department of Scientific
and Industrial Research
(Gr. Brit.)

Office of Technical Services

Shilov, A. Ye.
THE KINETICS AND MECHANISM OF THE PRIMARY DECOMPOSITION OF ALLYL CHLORIDE
(Kinetika i Mekhanizm Pervichnogo Raspada Khloristogo Allila). Jan 61 [9]p. 5 refs. RTS 1706.
Order from LC or SLA mi\$1.80, ph\$1.80 61-15384

Trans. of Akademiya Nauk SSSR. Doklady, 1954,
v. 98, no. 4, p. 601-604.

(Chemistry--Physical, TT, v. 5, no. 7)

61-15384

1. Allyl compounds--
Decomposition
2. Chlorides--Decomposition
1. Shilov, A. Ye.
- II. RTS-1706
- III. Department of Scientific
and Industrial Research
(Gr. Brit.)

Office of Technical Services

Synthesis of Ethylene Chlorohydrin. II.
Temperature Coefficient of the Rate of the Gomberg
Reaction, by E. A. Shilov, N. P. Kanyayev.

RUSSIAN, per, Zhur Obshch Khim, Vol XVI, 1946,
pp 1871-1872.

DSIR LLJ M. 1386

Sci - Chem

170,762

Oct 61

The Chlorination of Acetic Acid, by E. A. Shilov.

RUSSIAN, per, Khim Prom, Vol VI,
1929, pp 538-540.

CSIRO

Sci - E Chem
May 62

199, 645

Shilov, E. A. and Yakimov, G. I.
MATERIALS ON PREPARATION OF 1,3-BUTADIENE
THROUGH 1,3-BUTANEDIOL: CONDENSATION OF
ACETALDEHYDE TO ALDOL. [1961] 7p 6refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16814

Trans. of Sinteticheskii Kauchuk (USSR) 1934 [v. 3]
no. 4, p. 7-11.

DESCRIPTORS: *Butadienes, *Butanols, Condensation
reactions, *Acetaldehydes, Synthesis (Chemistry),

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16814

- I. Title: Aldol
- I. Shilov, E. A.
- II. Yakimov, G. I.
- III. Title: Condensation ...

Office of Technical Services

On ~~XX~~ the Participation of Halogen Cations in the
Mechanism of Halogenation of Organic Compounds,
by E. A. Shilov, F. M. Vainshteyn, et al, 8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol II, No 2,
1961, pp 214-220.

CB

Sci
Jun 62

200,107

Shilov, E. A.
CATALYTIC INFLAMMATION OF MIXTURES OF
CHLORINE WITH ETHYLENE AND OTHER COMBUS-
TIBLE GASES. [1961] 8p. 7 refs.
Order from GTS or SLA \$1.10

61-18248

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15
[no. 3] p. 135-141.

DESCRIPTORS: *Chlorines, *Ethylenes, *Gases,
*Oxides, Inflammable materials, Catalysts, Ignition,
Additives, Thermochemistry, Combustion.

Inflammation of mixtures of chlorine with ethylene was
studied in the presence of various volatile and non-
volatile additions. Oxides of mercury, silver and lead
pronouncedly reduce the inflammation temperature.
Mixtures of ethylene and chlorine explode even at room
temperature on mercurous and mercuric oxides, on
(Chemistry--Physical, TT, v. 6, no. 10) (over)

61-18248

I. Shilov, E. A.

Office of Technical Services

The Preparation of Ethylene Chlorohydrin,
by E. A. Shilov, UNCLAS

RUSSIAN, per, Zhur Khim Prom, Vol V, 1928,
pp 1273-1276.

DSIR ULU M.1205

(load)

Sci - Chem

Feb 60

108392

Synthesis of Ethylene Chlorohydrin. [✓] Use of
High Pressures, by E. A. Shilov, S. N.
Solodushenkov. UNCL

RUSSIAN, per, Zhur Prikl Khim, Vol IX, 1947,
pp 1270-1282.

DSIR LLU M.1062

(loan)

Sci - Chem
Mar 60

111,126

Kinetics of Addition of Hypochlorous Acid at
the Double Bond. V. Formation of Ethylene
Dichloride From Ethylene and HOCl at Low Con-
centrations of Hydrochloric Acid, by E. A.
Shilov, et al. UNCL

RUSSIAN, per, Zhur Fiz Khim, Vol XIII, 1939,
pp 759-766.

DSIR LLU M.1061

(loan)

108,406

Sci - Chem

Feb 60

Kinetics of the Addition of Hypochlorous
Acid at the Double Bond. VI. 1, 2-Dichloro-
ethane Formation at High Chloride Ion
Concentrations, by E. A. Shilov, N. P.
Kanyayev. UNCL

RUSSIAN, per, Zhur Fiz. Khim, Vol XIII,
1939, pp 1242-1248.

DSIR LIJ M.978

Sci - Chem
Feb 60

(loan)

108,407

The Chlorination of Acetic Acid, by E. A.
Shilov.

RUSSIAN, per, Zbur Khim Prom, Vol VI,
1948, pp 538-540.

CSIRC

Sci - Chem
May 62

198,499

The Participation of Alanine in Biosynthetic Processes in Plants, by E. A. Shilov, A. A. Yasnikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 2, pp 459-.

Amer Inst of Biol Sci

Sci - Biol

Sep 59

96,045

The Theory of the Kolbe-Schmitt Synthesis. Pt. II.
Importance of Disubstituted Salts in the Mechanism
of Carboxylation, by E. A. Shilov, I. V. Smornov-
Zenkov, and K. I. Matkovskiy, 16 pp.

UKRAINEAN, per, Ukrain Khim Zhur (USSR), Vol XII,
1955, pp 600-613.

Assoc Tech Serv

49227R

ATS RI-1667

Sci - Chem

May 59

OS, V. I, No 6

86,320

Synthesis of 2-Chloroethanol. VI. Theory of the
Comberg Synthesis, by E. A. Shilov. UNCL

RUSSIAN, per, Zhur Prik Khim, Vol XXII, No 7,
1949, pp 734-746.

DSIR 110 (loan) M.411

Sci - Chem
Aug 59

94,879

On the Mechanism of Regrouping α - Into β -Naphthalene
sulfonic Acids, by F. M. Vainshtein, E. A. Shilov,
7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 9,
1957, pp 2559-256
65.

Consultants Bureau

Sci - Chem
Oct 58

75,178

Kinetics and Mechanism of Oxidation of Alcohols and
Aldehydes by Active Chlorine, by I. K. Kozinenko,
B. A. Shilov, ⁴ pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 1,
1958, pp 737-.

Consultants Bureau

Sci - Chem

May 59

87,053

Certain Features of the Kinetics of the Addition
of Hydrogen Iodide to Unsaturated Compounds,
by E. A. Shilov and D. F. Mironova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No
3, 1957, pp 564-567.

Consultants Bureau

Sci - *Chem*

73,694

Aug 58

The Theory of the Synthesis. II the Significance
of Di-Substitutional in the Mechanism of Carboxy-
lation, by E. A. Shilov, I. V. Smirnov-Zankov,
K. I. Matkovskiy.

RUSSIAN, per, Organ Khim, pp 600-613.

T.I.L. T-4633

Sci - Chemistry

34, 480

May 1956

The Hypothesis of the Quasi-Complex State
and Related Questions in the Theory of Organic
Reactions, by E. A. Shilov, 10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXI, No 11,
Nov 1951, pp 2084-2092. CIA D 182341

Consultants Bureau

Scientific - Chemistry

24,691

Mechanism of the Rearrangement of Aromatic
Amino NH and Hydroxysulphonic Acid Salts,
by E. A. Shilov, M. N. Bogdanov, A. E. Shilov,
5 pp,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII, No
1953, pp 93-96. ^{No1}
↑

23,524 Sci Nu Lib Tr No 55/0385

Scientific - Chemistry

May 55 CTS

Kinetics and Mechanism of the Reaction of Active
Chlorine With Organic Compounds. VIII. The Oxi-
dation of Formic Acid in Almost Neutral and Basic
Solutions, by E. A. Shilov, A. I. Siyadnev, G. V.
Kapinskaya, 8 pp. UNCLASSIFIED

RUSSIAN, no per, Zhur Obshch Khim, No 9, 1952,
pp 1497-1505.

Consultants Bureau

Scientific - Chemistry

CES/DTX

17,043

Sulfolysis of the Sulfonyl Groups in Aromatic
Sulfonic Acids, by F. M. Vainshtein, E. A. Shilov,
5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 3,
1958, pp 782-786.

Consultants Bureau

Sci - Chem

May 59

87,391

Discussion Concerning Papers, by A. I. Titov, F. L.
Maklyayev, 1 by E. A. Shilov, 3 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 8
1956, pp 2365-

Consultants Bureau

Sci - Chem

Dec 57

56,549

Dichlorofumaric Acid and Some of its Derivatives, by
E. A. Shilov et al.

~~RUSSIAN~~
UKRAINIAN

~~RUSSIAN~~, no per, Ukrain Khim Zhur, Vol XX, 1954,
pp 35-38.

Assoc Tech Sv
RJ-351

Sci - Chemistry

Aug 1956

\$5.80

37,004

Theory of the Kolbe-Schmitt Reaction. 1. Function
of Phenyl-Carbonates in the Mechanism of
Carboxylation, by E. A. Shilov, I. V. Smirnov-
Zamkov, K. I. Matovskiy, 10 pp.

RUSSIAN, per, Organicheskaya Khimiya, 1955,
pp 484-490.

Sci Mus Lib - 56/0528

Sci - Chemistry

36,391

Jul 1956

Kinetics of the Addition of Hypochlorous Acid to
Molecules With Only Slightly Active Double
Bonds, by E. A. Shilov, G. V. Kupinskaya, A. A.
Yasnikov

RUSSIAN, per, Dok Ak Nauk SSSR, 1951, Vol LXXXI,
No 3, pp 435-438.

KT-2325
D.S.I.R. Tr No CTS 3

Si. 45 (U.S. 04)

1074

Scientific - Chemistry
List No 49, Apr 1953

also 1952 J. Am. Chem. Soc. 74, 337

SHILOV, E. A.

Catalytic Effects in the Cannizzaro Reaction,
G. I. Kudryavtsev, E. A. Shilov, Dok Ak Nauk SSSR,
64, No 1, 73 - 76, 1949. C. A. 42, 4651d (1949).
Approx 1400 words; 2 tables; 1 graph.
Price \$4.25 (\$0.90)

Assocd Services
New Jersey

RJ-13

A10924

Volleys at Dawn, by A. Dolgikh, G. Shilov, 7 pp

RUSSIAN, per, Voyenny Vestnik, No 11, 1962.

ACSI I-0424-K
ID 2191530

Sci

Apr 63

233 726

How to Construct Graphs, by G. E. Shilov.

RUSSIAN, bk.

NLL (Loan)

Sci -
Nov 63

242,408

Shilov, G. E.

AN INTRODUCTION OF THE THEORY OF LINEAR
SPACES, tr. by R. A. Silverman. 1961, 320p.
Order from Prentice-Hall, Inc., Englewood Cliffs, N.J.
\$10.00

Trans. of mono. [Vvedenie v Teoriyu Lineinikh
Prostranstv. Moscow, 1956, 303p.].

DESCRIPTORS: *Functional analysis, Theory.

(Mathematics, TT, v. 9, no. 8)

63-12652

- I. Title: Linear spaces
- I. Shilov, G. E.
- II. Prentice-Hall, Inc.,
Englewood Cliffs, N.J.

123667.1

Office of Technical Services

Homogeneous Rings of Functions, by G. E. Shilov,
63 pp.

RUSSIAN, per, Uspekhi Matemat Nauk, Vol VI, No 1,
1951, pp 91-137.

Sci Trans Center RT-145

Scientific - Mathematics

Jan 54 CTS

8681

Generalized Functions, by Galgand-J. ~~Shilov~~ Shilov.

RUSSIAN, bk.

Windham Publ Corp

Oct 61

DIFFERENTIATION OF COTTON-GROWING REGIONS
BY NATURAL AND ECONOMIC ZONES, BY I.
SHILOV, 14 PP.

RUSSIAN, PER, NARODNOYE KHOZYAYSTVO UZBEKISTANA,
NO 9, SEP 1962, PP 51-56.

JPRS 16977

USSR
ECON
JAN 63

218,933

High Results in Firing and Physical Obligations, by
I. Shilov, 4 pp.

RUSSIAN, per, Vozenny Vestnik, No 5, 1962.

ACSI-I-0424-E
ID 2191530

Sci

Oct 62

214,287

Investigation of Properties of Fused Refrac-
tory Clays, by R. L. Prevzner, I. A. Shilov.

FRENCH, per, Bulletin de L'Academie des Sciences
de l'URSS, Classe des Sci Tech, No 5, 1946, pp
753-758.

Dept of Int,
Bur of Mines,
Electrotech Exper Sta,
Norris, Tenn.

Sci - Chem
Nov 58

76,640

Prevalence and Nitrogen Fixing Activity of
Azotobacter in Some Types of Soil, by
V. F. Nepomluev, L. L. Shilov, 5 pp.

RUSSIAN, per, Mikrobiologiya, Vol XXXI, No 2,
1962, pp 294-300.

AIRB

Sci-Ecol & Med Sci
Nov 69

243, 256

Spring and Summer Feeding Habits of the Desert
Raven in the Northern Aral Territory, by S. N.
Varshavskiy, M. N. Shilov.

RUSSIAN, per, Zool Zhur, Vol XXXVII, No 10, 1958,
pp 1521-1530. CIA 9040609

USDA

Sci - Biology
Jul 59

90,975

().

Tables of Conventional Signs on the Tape, N. Shilov,
3 pp.

RUSSIAN, per, Geodezist, No 1, 1930, pp 72-73.

CIA FDD/X 4372

Sci-Phys

9 Aug 60

Shilov, N.
TOPOGRAPHIC WORK IN ESTONIA. Trans. on
Soviet Geodesy 1925-40. 3 Mar 61 [3]p.
JPRS: R-115-N/22.
Order from OTS or SLA \$1.10 61-19877
Trans. of Geodezist (USSR) 1937 [v. 13] no. 3, p. 74.
DESCRIPTORS: *Mapping, USSR.

(Unannounced)

61-19877

- I. Shilov, N.
- II. Title: Soviet ...
- III. JPRS-R-115-N/22
- IV. Joint Publications Research
Service, New York

Office of Technical Services

10 051

US-4
US-5

N. A. SHILOV, L. K. LEPIN', S. A. VOZNESENSKII

Adsorption of another gas from a current of air

Zhur. Russ. Fiz. -Khim. Obshchestva, 61, 1107-23 (1929)

NP-tr-316. \$ 9.30 (ph), \$ 3.60 (mf) --English

E u r a t o m

Adsorption of Another Gas From a Current of Air, by
M. A. Shilov, L. K. Lopin', S. A. Voknesenskiy, 54 pp.

RUSSIAN, per, Zhur Russ Fiz-Khim Obshchestva, Vol LXI,
1929, pp 1107-1123.

ARC HP-tr-316

Sci - Phys, Chem
Feb 60

107,536

Study of Sun's Emission in Shortwave (UV) Lines of
FeX, Fe xiv, caXV, by G. M. Nikol'skiy,
N. S. Shilova.

RUSSIAN, per, Geomagnetizm i Aeronomiya,
Vol III, No 3, 1963, pp 431-433.
NASA TT F-8612

Sci - E S & A

May 64

U.S. GOVERNMENT ONLY

258,650

().

Adjustment of Departmental Triangulations, by P.
Shilov, 12 pp.

RUSSIAN, per, Geodezist, No 14, 1928, pp 2-10.

CIA FDD/X 4352

Sci-Phys

8 Aug 60

The Relation Between Therapeutic Nutrition for
Patients and Functional Gastric Disturbances
in Cases of Thermal Burns, by I. Kolesnikov,
P. Shilov, P. Pilyushin

RUSSIAN, no per, Voenno Med Zhur, No 10,
Moscow, Oct 1957, pp 71-77

US JPRS Rpt 287

Sci - Med

Feb 58

59,137

GENERAL INFORMATION ON THERMAL BURNS AND BURN
DISEASE, BY P. I. SHILOV, P. V. PILYUSHIN, 24 PP.

RUSSIAN, BK, VNUTRENNAYA PATOLOGIYA PRI OZHOGAKH,
1962, PP 5-19.

JPRS 15339

SCI - MED

OCT 62

212,174

Vital Problems of Therapeutic Nutrition
of the Burned, by I. S. Kolesnikov, P.
I. Shilov, P. V. Pilyushin

RUSSIAN, no per, Voenno Med Zhur, No 8,
Moscow, Aug 1960, pp 49-59

US JPRS 7609

137,890

().

Influence of the Size and Shape of the Theodolite
Polygon on the Magnitude of Error in the Perimeter,
by Prof. P. I. Shilov, 24 pp.

RUSSIAN, per, Geodezist, No 5-6, 1926, pp 13-29.

CIA FDD/X 4411

Sci-Phys

18 Aug 60

SOME PROBLEMS IN TREATING BURNS AND BURN
COMPLICATIONS, BY PAVEL IVANOVICH SHILOV,
PYETR VIKTOROVICH, 41 PP.

RUSSIAN, BK, VNUTRENNYAYA PATOLOGIYA PRI-
OZHOGAKH (TERMICHESKIKH), LENINGRAD, 1962,
PP 1-296.

JPRS 16422

SCI - MED

DEC 62

217,161